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TITLE : PHOTSENSITIVE RESIN COMPOSITION

ABSTRACT : PURPOSE: To obtain a photosensitive resin compsn. which is most suitable for a material for flexographic plate by incorporating a polymer having a specified chlorine content and a specified glass transition temp., a hydrophilic polymer, a polymer or oligomer contg. a conjugated dienic hydrocarbon having an ethylenic unsatd. group at a terminal or in a side chain, and a photopolymn. initiator into the photosensitive resin compsn.

CONSTITUTION: A polymer A having 10–50wt.% chlorine content and $\leq 5^{\circ}\text{C}$ glass transition temp., a hydrophilic polymer B, an oligomer or a polymer C contg. a conjugated dienic hydrocarbon having an ethylenic unsatd. group at a terminal or in a side chain, and a photopolymn. initiator D, are contained in the title compsn. The polymer A is obtd. by the polymn. of a monomer contg. Cl atom. If the Cl content of the polymer A is out of the above described range, the flexibility of the polymer is impaired, or the photosensitive resin becomes too rigid, or colored, generating undesirable result. Thus, a photosensitive resin compsn. having high rubber elasticity and superior resistance to water- base ink, being applicable to a material for flexographic printing plate, is obtd.

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